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NPIC/R-635/64

July 1964



PHOTOGRAPHIC INTERPRETATION REPORT

Copy 1 of 1

57 Pages

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OAK - PART II
MISSION 1008-2
14-17 JULY 1964

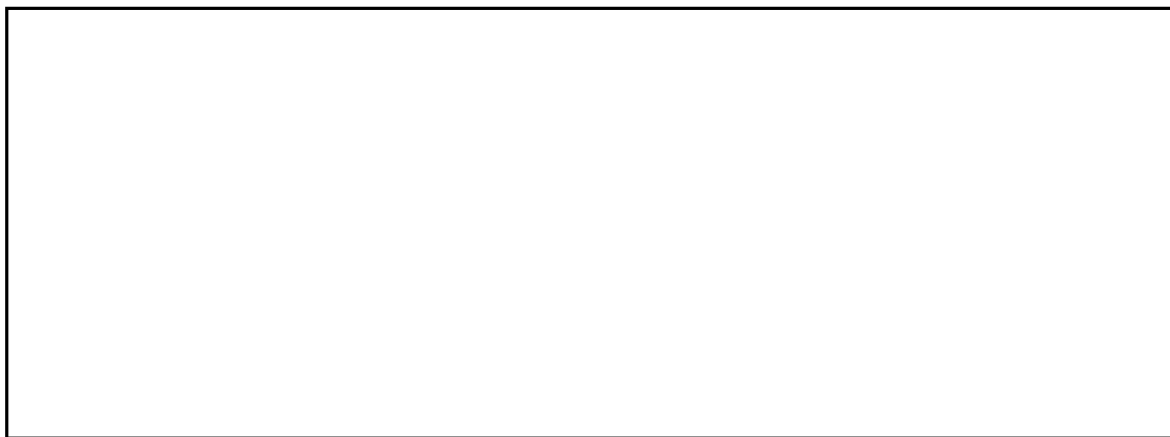
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NIMA/DOD



CIA

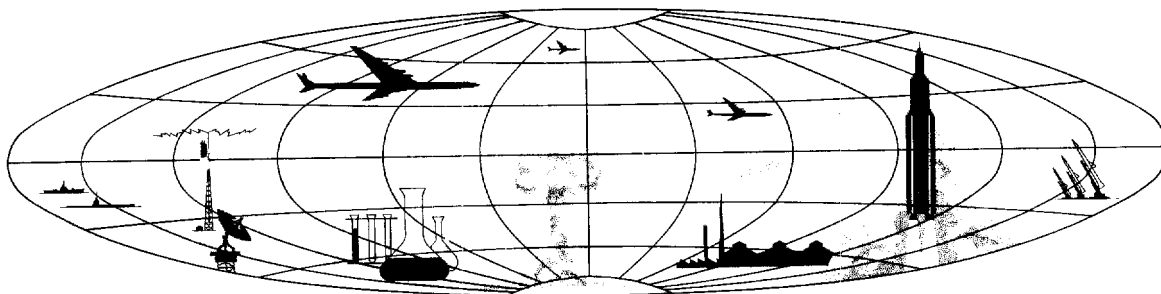


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OAK-PART II

MISSION 1008-2

PREFACE

THIS IS THE SECOND AND LAST DAILY OAK REPORT ON MISSION 1008-2 DEALING WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. THIS REPORT, COVERING THE OAK REPORTING PERIOD FROM 1500 HOURS 22 JULY 1964 TO 1200 HOURS, 23 JULY 1964 PRESENTS INFORMATION ONLY ON THOSE COMOR TARGETS OBSERVED ON THE PHOTOGRAPHY. COMOR TARGETS OBSERVED ON MISSION 1008-2 ARE LISTED IN THE INDEX OF THIS REPORT.

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT, AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATION OF TARGETS IN THIS REPORT IS INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOR EACH TARGET OBSERVED AND REPORTED FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH) OR D FOR DESCENDING (NORTH-TO-SOUTH). FRAMES ARE INDICATED BY THE LETTERS FR. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA AND THE LETTER A PRECEDING FRAME NUMBERS INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID (X-Y) COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME TO WHICH THEY APPLY. THIS GRID IS IDENTIFIED AS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS INDICATING CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), SD (SEMI DARKNESS), O (OBLIQUITY), S (SNOW), PQ (POOR IMAGE QUALITY).

OAK RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY FROM MISSION 1008-2 IS BEING ACCOMPLISHED IN A SHORT TIME AND OFTEN WITHOUT THE AID OF PRECISE ANALYTICAL AND MENSURAL EQUIPMENT COMMONLY EMPLOYED IN DETAILED PHOTOGRAPHIC ANALYSIS. CONSEQUENTLY, ALTHOUGH THE INFORMATION PRESENTED HEREIN IS ESSENTIALLY ACCURATE, FUTURE DETAILED ANALYSIS MAY SOMEWHAT ALTER PORTIONS OF THE INFORMATION.

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Highlights

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HIGHLIGHTS

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2. TALLINN AMM/SAM LAUNCH COMPLEX (MISSILE BONUS)

A NEW AMM/SAM LAUNCH COMPLEX UNDER CONSTRUCTION IS IDENTIFIED 13.3 NM WSW OF TALLINN. THE SECURED COMPLEX COVERS 550 ACRES WITH 5 LAUNCH SITES AND A TOTAL OF 30 PADS. AN UNIDENTIFIED FACILITY DIMENSIONALLY SIMILAR TO THAT AT THE LENINGRAD NORTHWEST PROBABLE AMM LAUNCH COMPLEX IS LOCATED APPROXIMATELY 2,890 FT EAST OF THE LAUNCH SITES.

3. CHEREPOVETS SUSPECT AMM/SAM LAUNCH COMPLEX (MISSILE BONUS)

A SUSPECT AMM/SAM LAUNCH COMPLEX IN VERY EARLY STAGES OF CONSTRUCTION IS IDENTIFIED APPROXIMATELY 8.3 NM ESE OF CHEREPOVETS ON THE NORTH BANK OF THE SHEKSNA RIVER. THE DOUBLE FENCED AREA COVERS APPROXIMATELY 537 ACRES AND CONTAINS 5 SUSPECT LAUNCH SITES.

4. FIXED FIELD MRBM LAUNCH SITES (MISSILE BONUS)

NEWLY IDENTIFIED FIXED FIELD MRBM LAUNCH SITES ARE LOCATED 3 NM EAST OF YEMILCHINO, 5 NM EAST OF GEROYSKOYE, AND 2.6 NM ESE OF PLISSA.

5. SA-2 SAM SITES (MISSILE BONUS)

NEWLY IDENTIFIED SA-2 SAM SITES ARE LOCATED 4 NM EAST OF KOLBERG, 31 NM ENE OF TALLINN, AND 23 NM NORTH OF LENINGRAD.

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STATUS OF COMOR TARGET READOUT

A TOTAL OF 126 COMOR TARGETS WERE OBSERVED IN THE OAK REPORTING PERIOD AND ARE COVERED IN PART I AND PART II.

TABULAR SUMMARY

A RECAPITULATION OF SIGNIFICANT ACTIVITY IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES.

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND AMM DEPLOYMENT
TABLE 4 -- NUCLEAR ENERGY ACTIVITY
TABLE 5 -- AIRCRAFT ACTIVITY
TABLE 6 -- SUBMARINE ACTIVITY
TABLE 7 -- DATE AND TIME OF PHOTOGRAPHIC PASSES

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Table 1. Soviet ICBM Deployment

Complex	Launch Area											Total Soft Sites	Total Hard Sites	Total Launch Positions
	A	B	C	D	E	F	G	H	I	J	K			
Drovyanaya	C	C	C	C	M	M						3	3	15
Gladkaya	(C)	(C)	E	M	E							2	3	13
Itatka	C	C	C									3		6
Kostroma	C	C	C	C	C	C	C	M				6	2	18
Kozelsk	(C)	C		(C)	(C)	L						3	2	12
Novosibirsk	(C)	(C)	(L)	(C)	(C)							3	2	12
Olovyanaya	C	M	M										3	9
Omsk	(C)	(E)											2	6
Perm	C	C	(C)	(C)	(C)	(L)						5	1	13
Plesetsk*	C	C	C	C	C	M						9*	1	17
Shadrinsk	C	(C)	L										3	9
Svobodnyy	C	C	C	C	C	C	L	C				7	1	17
Teykovo	C	C	C	C	C	C						6		12
Tyumen	(C)		(C)									2		4
Verkhnyaya Salda	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)	(C)			7	2	20
Yedrovo	C	(C)	C	C	C	(C)	(C)	M	C			6	3	21
Yoshkar-Ola	C	C	C	C	C	C						6		12
Yurya	C	C	C	C	C	C	C	C	C	C		8	3	25
Zhangiz Tobe	E	E											2	2
Tyuratam MTC	Deployment Total											76	33	243
	C	C	C	L	C	(C)	(M)	C	M	M	(M)	10	8 (3 poss)	33 (3 poss)
	Grand Total											86	41 (3 poss)	278 (3 poss)

*Includes Launch Points I-IV, complete

Construction Status (C-complete, L-late, M-mid, E-early)



Sites covered by current mission



Newly identified sites

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Table 2. Soviet MRBM and IRBM Deployment

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	121	11	18	11	161	633
Caucasus	3		2	3	8	29
Central Asia	2	4	1	5	12	43
Far Eastern	11	1		2	14	54
Totals	137	16	21	21	195	759

Totals do not include 43 fixed field-type sites and one possible launch facility at Sovetskaya Gavan.

Table 3. SAM and AMM Deployment

		Country														
		USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	China	North Korea	Indonesia	Egypt	Cuba	India	Totals	
SA-0	SAM sites	14													14	
SA-1		56													56	
SA-2		900*	1	18	21	45	11	28	13	12	2	4	14*	24**	1	1,094
SA-3		91														91
SAM support facilities		180	1	2	5	4	2	5	3		1		3	6		212
Probable AMM complexes		3														3

*Does not include 4 alternate sites

**Does not include 22 abandoned sites.

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Table 5. AIRCRAFT ACTIVITY

Airfield	Previous Significant Aircraft Count											Observed this Mission											
	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISBED	FISBOP	TOTALS	BEAR	BADGER	BLINDER	BOUNDER	MANDRAKE	MALLOW	FIDDLER	FITTER	FISBED	FISBOP	TOTALS	
Akhtabinsk/Vladimirovka	8	20									28												
Alokseyovka		35									35												
Anadyr/Leninka																							
Anisovo Gorodishcho																							
Arkhangolsk/Kholm*																							
Artem North																							
Baranovich*		24	8								32		23	8									31
Borzya		9									9												
Bolaya Tserkov	4	17									21												
Bobruysk*		96	17								113												
Briyoni*																							
Bykhov*		56									56		55										55
Chepelovka*	B/B	1									1												
Dolon*	B/B										17	88	B/B										88
Donustlav Lake						14					14												
Engels*	B/B		2								2												
Gonol Prihytki		10	88								98		12	36									48
Kalinin*		3									3		3										3
Kalininograd/Provoron			8								8		8	37									45
Komsomolsk Plt 120								20			20												
Kazan A/C Plt 22		11	17								28												
Mel Yavr													6										9
Melitopol		8								2	10												
Minsk/Machulishcho*					(NO AIRCRAFT)																		
Mirgorod		33									33												
Moscow/Ramenskoye	B/B	1	24	8	1		1				35	B/B		47	1								14
Mozdok*					(NO AIRCRAFT)																		
Nozhin		25									25												
Nikolayev/Kulbakina		40									40												
Oktyabskoye																							
Olonogorsk		10									10												
Orsha Southwest*		11	41								52		42										42
Ostruv Gorokhovka		31									31												
Petrovsk/Polizovo																							
Poltava*		53									53												
Prileki*		25									25		20										20
Romanovka West		20						4			24												
Ryzan/Dyagilevo	B/B	96									96												
Sakl																							
Sarehuz		18									18												
Severomorsk		2									2												
Sialiai*	B/B																						
Soltsy*		28									28		27										27
Spinsk Dalniy East		31									31												
Stryy*		29									29												
Tartu													28										28
Ukraine*		28									28												
Ussariysk Vozdvizhonka*		29						10			39												
Zhitomir/Skennorokhi*		17									17												
TOTALS	20	7	748	79	1	14	1	38	4	2	1059	230	85	1									380

† POSSIBLE ‡ PROBABLE **BADGER/CAMEL

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Table 6. Submarine Activity.

Base	Previous Submarine Count													Observed This Mission															
	SSBN, H-class	SSBN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-Longbin	SSN, N-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Unidentified	OSS (SICP W, L, H, M, T, S, L, etc.)	TOTALS	SSBN, H-class	SSBN, E-class	SSB, G-class	SSB, Z-conversions	SSG, J-class	SSG, W-Longbin	SSN, N-class	SS, F-class	SS, Z-class	SS, R-class	SS, W-class	SS, Unidentified	OSS (SICP W, L, H, M, T, S, L, etc.)	TOTALS	
Balaklava								4 W/R†	4				8													4 † W/R	3		7
Dunay	1												1																
Gorkiy									2				2																
Khronstadt									8	1†			9												9	2†		11	
Komsomolsk						2 F/Z†		4 W/R					6																
Leningrad																									5		5		
Liepaya									4				7												1†	14†		2	
Litsa Bay	2†	9	1†	1†		2†	3†				1		12																
Magadan										3†			3																
Olenya Guba			4†						3†		2 Medium		9													3		3	
Pechenga								2 W/R	1	4†			7																
Petropavlovsk/ Kamchatskiy	1	1				2 F/Z		3	3	3†			13																
Petrovka	1								3				4																
Polyarnyy	1†					5†, 4† F/Z		6	12	1†	1		19																
Riga								11 W/R					11												1† W/R	4†		5	
Rosta		5†				3†, 1† F/Z		4†	4	1†			18																
Sayda Guba		2†				2 F/Z†			2	2†			8													7	2†	9	
Sevastopol				2†				1 ‡ W/R	3	3†	1†	M-V	10				1†								3 ‡ W/R	1	3†	8	
Severodvinsk										1	5†	1†	7																
Severomorsk		1†											1																
Sovetskaya Gavan								7		2†			9																
Strelak Strait	1					1 F/Z		1					3																
Ura Guba								18 W/R	4†				22												5† W/R	6†	4†	15	
Vladimir									4	2†			6																
Vladivostok										1†			1																
Yokanga									4†				4																
TOTALS	2	9	13		2	5		3	25	69	3	200					1									51		65	
								20 F/Z	46 W/R																	13 W/R			

*E-1 Class † POSSIBLE ‡ PROBABLE

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Missiles

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MISSILES

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[REDACTED] SHADRINSK ICBM COMPLEX UR 5608N 06340E

ONLY LAUNCH AREA B (SITE 2) COVERED AT END OF
FRAME. NO APPARENT CHANGE [REDACTED]

25X1

[REDACTED] NO ABM-RELATED INSTALLATIONS IDENTIFIED
IN CLOUD-FREE AREAS WITHIN A 50-NM RADIUS.
WEST HALF OF SEARCH AREA NOT COVERED.

25X1

25X1

25X1

[REDACTED] TYUMEN ICBM COMPLEX UR 5652N 06553E

THE COMPLEX IS COVERED BY GOOD QUALITY PHOTOGRAPHY.
ALL ELEMENTS ARE OBSERVED EXCEPT THE COMPLEX
SUPPORT FACILITY WHICH IS PARTLY CLOUD COVERED.
NO SIGNIFICANT CHANGE IN THE TRANSFER POINT AND
TYPE IIC LAUNCH AREAS A (SITE 3) AND C (SITE 2) SINCE
[REDACTED] NO NEW CONSTRUCTION ACTIVITY
OBSERVED AT THE COMPLEX. NO ABM ACTIVITY IDENTIFIED
IN CLOUD-FREE AREAS WITHIN A 50-NM RADIUS.

25X1

A COMMUNICATION SITE IS LOCATED ON THE NW SIDE
OF THE COMPLEX SUPPORT FACILITY AT 56-53-20N
065-50-00E. IT CONSISTS OF 2 FISHBONE RECEIVING
ANTENNAS ARRANGED FOR DIVERSITY RECEPTION AND
ORIENTED DUE WEST (PROBABLE CORRESPONDENT IS
MOSCOW), 2 DIPOLE ANTENNAS ORIENTED 90/270 DEGREES,
AND A CONTROL BUILDING. THE SITE WAS UNDER
CONSTRUCTION [REDACTED]

25X1

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[REDACTED] YEDROVO ICBM COMPLEX UR 5751N 03341E

LAUNCH AREAS B (SITE 1), F (SITE 6), AND G (SITE 7)
CAN ONLY BE IDENTIFIED. LAUNCH AREAS H (SITE 9)
AND C (SITE 5) CLOUD COVERED. REMAINDER OF COMPLEX
NOT COVERED.

NO ABM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF
WESTERN HALF OF SEARCH AREA WHICH IS 40 PERCENT

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CLOUD COVERED.

KOZELSK ICBM COMPLEX UR 5357N 03548E

THE ENTIRE COMPLEX IS COVERED BY POOR TO FAIR QUALITY PHOTOGRAPHY WITH HEAVY TO SCATTERED CLOUDS AND HAZE.

LAUNCH AREAS B (SITE 2) AND F (SITE 6) CLOUD COVERED. TYPE IIIB LAUNCH AREA E (SITE 5) CAN ONLY BE IDENTIFIED. NO SIGNIFICANT CHANGE SINCE [REDACTED] AT THE COMPLEX SUPPORT FACILITY, TRANSFER POINT, OR TYPE IIC LAUNCH AREAS A (SITE 3) AND D (SITE 4).

NO ABM ACTIVITY OBSERVED IN THE CLOUD-FREE PORTIONS OF THE SEARCH AREA. WESTERN HALF OF THE SEARCH AREA NOT COVERED. EASTERN HALF 50 PERCENT CLOUD COVERED.

MAZANKA MRBM LAUNCH SITE UR 4454N 03420E

[REDACTED] NO OTHER IRBM/MRBM SITES OBSERVED WITHIN SEARCH AREA. AREA CANNOT BE NEGATED DUE TO CLOUDS.

GVARDEYSK MRBM LAUNCH SITE 2 UR 5445N 02109E

NO HARDENED SSM ACTIVITY APPARENT WITHIN A 25-NM RADIUS. AREA CANNOT BE NEGATED DUE TO SCATTERED CLOUDS.

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SLAVSK MRBM LAUNCH SITE 2 UR 5500N 02129E

NO HARDENED SSM ACTIVITIES OBSERVED IN THE SEARCH AREA. SCATTERED CLOUDS PRECLUDE NEGATION.

25X1

25X1

ZNAMENSK MRBM LAUNCH SITE 1 UR 5433N 02111E

NO HARDENED SSM ACTIVITY APPARENT WITHIN A 25-NM RADIUS. AREA CANNOT BE NEGATED DUE TO SCATTERED CLOUDS.

25X1

25X1

GUSEV MRBM LAUNCH SITE 1 UR 5441N 02205E

NO HARDENED SSM ACTIVITY APPARENT WITHIN A 25-NM RADIUS. AREA CANNOT BE NEGATED DUE TO SCATTERED CLOUDS.

25X1

25X1

VORU MRBM LAUNCH SITE 2 UR 5749N 02650E

NO ADDITIONAL SSM ACTIVITY OBSERVED WITHIN 25-NM RADIUS. HAZE AND SCATTERED CLOUD COVER PRECLUDE NEGATION.

25X1

25X1

GRESK MRBM LAUNCH SITE 1 UR 5314N 02742E

NO NEW SSM ACTIVITY IN CLOUD-FREE PORTIONS WITHIN A 25-NM RADIUS.

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NEMAN MRBM LAUNCH SITE UR 5501N 02211E

NO HARDENED SSM ACTIVITY OBSERVED WITHIN 25-NM

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RADIUS. SCATTERED CLOUD COVER PRECLUDES NEGATION.

25X1

25X1

ZHITOMIR MRBM LAUNCH SITE 1 UR 5004N 02816E

NO NEW SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
WITHIN A 25-NM RADIUS. SCATTERED CLOUD COVER
AND HAZE PRECLUDE NEGATION.

25X1

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BERDICHEV MRBM LAUNCH SITE UR 5005N 02822E

LAUNCH SITE -- IDENTIFICATION ONLY.

NO NEW SSM ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS
WITHIN A 25-NM RADIUS. AREA 70 PERCENT CLOUD
COVERED. HEAVY CLOUDS AND HAZE PRECLUDE NEGATION.

25X1

25X1

URECHYE MRBM LAUNCH SITE UR 5311N 02758E

NO NEW SSM ACTIVITY VISIBLE IN CLOUD-FREE
PORTIONS WITHIN A 25-NM RADIUS.

25X1

25X1

SKRUNDA IRBM LAUNCH SITE UR 5635N 02149E

NO APPARENT CHANGE

25X1

25X1

25X1

SMORGON IRBM LAUNCH SITE 2 UR 5426N 02618E

NO CHANGES OBSERVED IN EXISTING FACILITIES SINCE

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RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE UR 5104N 02807E

NO ELECTRONICS APPARENT.

LIELELEJA MRBM LAUNCH SITE UR 5624N 02336E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

IECAVA MRBM LAUNCH SITE UR 5633N 02420E

NO APPARENT CHANGE IN FACILITIES SINCE

VAINODE IRBM LAUNCH SITE UR 5628N 02150E

CONSTRUCTION APPEARS TO BE CONTINUING ON THE LAUNCH
SITE, COMMUNICATIONS AREA.

25X1

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

ALL FACILITIES EXCEPT INSTRUMENTATION SITES 5,
6, 7 AND 8 AT THE TEST CENTER ARE COVERED ON
GOOD TO VERY GOOD QUALITY PHOTOGRAPHY.
INTERPRETATION IS LIMITED IN SOME CASES BY CLOUDS
AND CLOUD SHADOW.

ACTIVITY IS OBSERVED AT ALL LAUNCH SITES AT

1

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TOP SECRET

25X1

25X1

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25X1

25X1

LAUNCH COMPLEX A (2B30) EXCEPT SITE 5. NO SIGNIFICANT CHANGE IS NOTED [REDACTED] IN EQUIPMENT AT LAUNCH SITES 1, 2, 3, AND 6. AT SITE 3 WORK CONTINUES ON THE PREVIOUSLY REPORTED RECTANGULAR REVETMENT (APPROXIMATELY 235 X 85 FT) AT POSITION 5. A GENERALLY DUMBBELL-SHAPED PAD HAS BEEN PREPARED INSIDE THE REVETMENT. THE PROBABLE CRANE AND ADJACENT UNIDENTIFIED OBJECT REMAIN JUST EAST OF THIS POSITION. THE FOUR 50- X 20-FT OBJECTS REMAIN AT THE SITE. SEVERAL UNIDENTIFIED PIECES OF EQUIPMENT ARE NOTED ALONG THE ACCESS ROAD BETWEEN SITE 3 AND ELECTRONICS SITE B. NO CHANGES HAVE OCCURED AT THE NEW ROADS AND REVETMENTS CONSTRUCTED JUST SOUTH OF ELECTRONIC SITE B. A LONG REVETMENT OR EARTHEN WALL HAS BEEN CONSTRUCTED JUST WEST OF SITE 4. ELECTRONIC SITE C REMAINS UNCHANGED [REDACTED] THE PREVIOUSLY REPORTED VEHICLES REMAIN IN THE SUPPORT AREA OF COMPLEX A AND IN THE MISSILE STORAGE AND CHECKOUT AREA.

25X1

25X1

NO SIGNIFICANT CHANGE [REDACTED] AT LAUNCH COMPLEX B (1B14) WHICH WAS COVERED IN ITS ENTIRETY.

25X1

THE ANTENNA FACE AT THE HEN HOUSE REMAINS DARK IN TONE.

COMPLETE COVERAGE IS PROVIDED OF INSTRUMENTATION SITE 13, BUT INTERPRETATION IS LIMITED BY WEATHER. NO APPARENT CHANGE IS OBSERVED IN THE BUILDING TRIAD AND THE SUPPORT AREA. RAPID CONSTRUCTION CONTINUES ON THE 3 LONG LINEAR SITES WHICH WILL BE REFERRED TO AS DUAL HEN HOUSE-TYPE STRUCTURES BECAUSE OF THEIR INCREASING SIMILARITY TO THE HEN HOUSE AT THE SUPPORT BASE. EACH OF THE 3 SITES CONSISTS OF A DUAL HEN HOUSE ANTENNA IN VARIOUS STAGES OF CONSTRUCTION AND SEPARATED BY A CONTROL BUILDING. AT THE CENTRAL AND THE MOST ADVANCED SITE THE PITCHED ROOF BUILDING TO THE NORTH APPEARS COMPLETE AND WORK IS PROGRESSING ON THE ANTENNA FACE, WHICH IS HALF DARK IN TONE. AT THE SOUTHERN STRUCTURE, ROOFING APPEARS TO BE HALF COMPLETE. ROOFING ON THESE 2 STRUCTURES INDICATES EACH ANTENNA FACE IS

1
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ORIENTED WESTWARD. WORK CONTINUES ON THE CONTROL BUILDINGS IN THE CENTRAL AND SOUTHERN SITES. POSSIBLE FRAMEWORK APPEARS TO BE EMPLACED IN BOTH PORTIONS OF THE SOUTHERN SITE. EXCAVATION CONTINUES IN BOTH PORTIONS OF THE SOUTHERN SITE AND IN BOTH PORTIONS OF THE NORTHERN SITE WITH A POSSIBLE LINEAR STRIP OBSERVED AT THE BASE OF THE EXCAVATION. PROBABLE OPEN STORAGE OF OBJECTS/ CRATES IS NOTED ALONG A ROAD JUST WEST OF THE CENTRAL AND MOST ADVANCED OF THE SITES. THE AMOUNT OF PROBABLE STORAGE HAS INCREASED SINCE

BLACK-TOPPING OF ROADS IN THE VICINITY OF 2 TRACKING STATIONS AT INSTRUMENTATION SITE 1 CONTINUES WITH 2 ROAD SEGMENTS SURFACED SINCE A NEW ROAD IS UNDER CONSTRUCTION WEST FROM THE COASTAL ROAD CONNECTING INSTRUMENTATION SITES 1 AND 2. AT INSTRUMENTATION SITE 2 THE DARK PATTERN REMAINS ON TOP OF THE DOME-SHAPED ENVIRONMENTAL SHELTER. A CIRCULAR LIGHT-TONED OBJECT ON THE GROUND ADJACENT MAY POSSIBLY BE THE MISSING TOP PANEL. NO CHANGE IS OBSERVED IN THE BUILDING TRIAD

AT INSTRUMENTATION SITES 3 AND 10 THE STATUS OF THE 110-FT DOMES WHICH WERE REMOVED REMAINS UNCHANGED. THE BUILDING TRIAD REMAINS UNCHANGED AT SITE 10.

IN THE WAREHOUSE AREA OF THE MAIN HOUSING COMPLEX, 10 OF THE 18 PROBABLE WAREHOUSES ALONG THE RAILROAD HAVE BEEN DISMANTLED

AT THE 16,500-FT DIRT STRIP (SARY-SHAGAN AIRFIELD SOUTHWEST) CENTER LINE AND END MARKINGS HAVE BEEN ADDED TO A LENGTH OF 10,800 FT NO AIRCRAFT OBSERVED.

NO SIGNIFICANT CHANGE IS OBSERVED IN THE HEN ROOST ANTENNAS, SARY-SHAGAN AIRFIELD, THE SAM TRAINING SITE, AND INSTRUMENTATION SITES 4, 9, 11, 12, 14, AND 15.

(ATTACHMENT 1)

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PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS

ON [REDACTED] --

LAUNCH COMPLEX A --

LAUNCH COMPLEX B --

HEN HOUSE ANTENNA --

INSTRUMENTATION SITE 1 --

INSTRUMENTATION SITE 2 --

INSTRUMENTATION SITE 13 --

MAIN HOUSING COMPLEX --

DIRT STRIP [REDACTED]

[REDACTED] SHUANG-CHENG-TZU MISSILE TEST CENTER CH 4107N 10020E

ONLY THE SAM LAUNCH COMPLEX, POSSIBLE INSTRUMENTATION SITE 13, AND THE TERMINUS OF THE UNIDENTIFIED RAIL LINE INTO THE DESERT ARE OBSERVED. NO APPARENT CHANGE [REDACTED]

[REDACTED] WU-WEI SUSPECT GM ACTIVITY CH 3758N 10253E

SEARCH AREA APPROXIMATELY 80 PERCENT CLOUD COVERED. NO INSTITUTE, RESEARCH, OR MILITARY FACILITIES IDENTIFIED IN VISIBLE PORTIONS OF SEARCH AREA.

[REDACTED] SHUANG-CHENG-TZU 650 NM IMPACT AREA CH 4041N 08600E

ONLY WESTERN HALF OF SEARCH AREA COVERED. APPROXIMATELY 40 PERCENT OF AREA CLOUD COVERED. NO EVIDENCE OF IMPACT AREA, INSTRUMENTATION, COMMUNICATIONS, SUPPORT FACILITIES, OR TRANSPORT ROUTES IN VISIBLE PORTIONS.

[REDACTED] BIYSK, STATIC TEST FACILITY UR 5229N 08507E

THREE BUILDINGS HAVE BEEN ADDED TO A ROW OF TWO

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OFFSET BUILDINGS
TWO GROUPS OF 5 OFFSET BUILDINGS AND 2 GROUPS OF 3 ARE NOW PRESENT. NO OTHER CHANGES NOTED.

25X1

25X1

25X1

USTKA SUSPECT SAM AREA PO 5430N 01655E

NO SAM ACTIVITY OBSERVED WITHIN A 25-NM RADIUS.

25X1

25X1

KOSZALIN SUSPECT SAM AREA PO 5410N 01618E

POSSIBLE SA-2 SAM SITE LOCATED AT 54-11-45N 015-39-40E
CONSISTS OF 6 POSSIBLE LAUNCH POSITIONS AND A
GUIDANCE AREA. (SEE MISSILE BONUS 6)

25X1

25X1

NOVOSTROYKA SUSPECT SSM AREA UR 5619N 03803E

NO SSM ACTIVITY VISIBLE IN CLOUD-FREE PORTION
WITHIN A 50-NM RADIUS.

25X1

25X1

ROMNY SUSPECT SSM AREA UR 5044N 03328E

NO SSM ACTIVITY VISIBLE IN CLOUD-FREE PORTION OF
AREA COVERED. EASTERN QUARTER OF AREA NOT COVERED.
FACILITY PREVIOUSLY REPORTED AT 50-02N 033-07E IS
CLOUD COVERED.

25X1

25X1

ALEYSK SUSPECT SSM AREA UR 5229N 08247E

SEARCH AREA COVERED BY GOOD QUALITY PHOTOGRAPHY
WITH 20 PERCENT CLOUD COVER. NO SSM ACTIVITY
OBSERVED IN CLOUD-FREE PORTIONS.

2

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25X1

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25X1

SEVEROMORSK SUSPECT NAVAL MSL STORAGE UR 6906N 03328E

NO NEW MISSILE OR NUCLEAR STORAGE CONSTRUCTION
OBSERVED IN CLOUD-FREE AREAS WITHIN A 25-NM RADIUS.
SUSPECT NAVAL MISSILE STORAGE AREA AND NAVAL BASE
COVERED BY HEAVY CLOUDS. NO VESSELS OBSERVED.

25X1

25X1

POLYARNYY NAVAL BASE UR 6912N 03328E

NO NUCLEAR WEAPONS OR GUIDED MISSILE HANDLING
FACILITIES OBSERVED IN CLOUD-FREE AREAS WITHIN A
5-NM RADIUS. PIER AREA CLOUD COVERED. NO VESSELS
OBSERVED.

25X1

25X1

VLADIVOSTOK NAVAL BASE AND SHIPYARD 202 UR 4306N 13156E

ONLY WESTERN HALF OF SHIPYARD COVERED ON POOR
QUALITY, OBLIQUE PHOTOGRAPHY WHICH PRECLUDES
INTERPRETATION OF VESSELS AND FACILITIES ALONG
GOLDEN HORN BAY, DIOMID BAY, AND ULIS BAY.

VESSELS -- APPROXIMATELY 20 MERCHANT VESSELS ANCHORED
AT ENTRANCE TO GOLDEN HORN BAY, AND ONE CL AND 7 DD
AT NOVIK BAY NAVAL BASE.

OBLIQUITY AND POOR IMAGE QUALITY PRECLUDE
IDENTIFICATION OF MISSILE-RELATED ACTIVITY AT THE
SHIPYARD. NO NEW SUBMARINE BASES, NAVAL GM STORAGE,
OR NUMBER WEAPONS FACILITIES NOTED WITHIN A 50-NM
RADIUS WEST OF VLADIVOSTOK.

25X1

25X1

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25X1

KALININGRAD SUSP NAVAL MISSILE STORAGE UR 5450N 02028E

NO SIGNIFICANT CHANGE IN FACILITIES SINCE
CONSTRUCTION IS APPARENTLY
IN FINAL STAGES. FOLIAGE PRECLUDES OBSERVATION OF
BUILDINGS VISIBLE

25X1

KISLAYA GUBA, SUSPECT SS BASE UR 6632N 03306E

NO EVIDENCE OF SUBMARINE BASE OBSERVED IN CLOUD-FREE
AREAS WITHIN 10-NM RADIUS.

PALA GUBA NVL BASE AND SHIP REPAIR YARD UR 6912N 03326E

NO EVIDENCE OF NUCLEAR WEAPONS STORAGE FACILITY IN
CLOUD-FREE AREAS WITHIN 5 NM NORTH OF BASE. NAVAL
BASE AND AREA SOUTH OBSCURED BY CLOUDS AND HAZE.
NO VESSELS OBSERVED.

MOSCOW SUSPECT ABM AREA UR 5545N 03737E

ALL OF THE WESTERN PORTION AND ABOUT HALF THE EASTERN
PORTION OF THE SEARCH AREA ARE COVERED. AREA IS
APPROXIMATELY 60 PERCENT CLOUD COVERED. NO LENINGRAD
OR SARY-SHAGAN-TYPE INSTALLATIONS OBSERVED IN
CLOUD-FREE PORTIONS. CONSTRUCTION CONTINUES IN THE
AREA OF UNIDENTIFIED ACTIVITY REPORTED

25X1

AND AT SA-1 SAM SITES C09-1, C12-1,
C14-1, C19-1, C25-1, C27-1, E02-1, E03-1, E10-1,
E14-1, E16-1, E17-1, AND E30-1. THE REMAINDER OF
THE SA-1 SAM SITES ARE EITHER CLOUD COVERED OR
NOT COVERED. NO CHANGES OBSERVED IN THE UNIDENTIFIED
ACTIVITY

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25X1

LENINGRAD PROBABLE AMM AREA UR 5955N 03020E

ALL 3 PROBABLE AMM COMPLEXES ARE VISIBLE, ALTHOUGH THE NW COMPLEX IS COVERED BY THIN TO HEAVY HAZE. MOST OF THE EAST HALF OF THE SEARCH AREA IS CLEAR. THE WEST HALF IS COVERED BY SCATTERED TO HEAVY CLOUDS WITH VARYING DEGREES OF HAZE. NO NEW AMM-ASSOCIATED ELECTRONIC EQUIPMENT OR NUCLEAR WEAPONS STORAGE ACTIVITY OBSERVED. ALTHOUGH HAZE PRECLUDES IDENTIFICATION OF ANY ACTIVITY AT THE NW COMPLEX, THERE IS NO APPARENT CHANGE

NO APPARENT CHANGE AT THE NE COMPLEX

OR THE SW COMPLEX

PHOTOGRAPHIC REFERENCES FOR SIGNIFICANT ITEMS ON

NW COMPLEX --
NE COMPLEX --
SW COMPLEX --

ASTRAKHAN POSSIBLE ABM RADAR UR 4620N 04801E

NO ABM-ASSOCIATED FACILITIES OBSERVED
WITHIN A 25-NM RADIUS.

OLENEGORSK SUSP AMM ASSOCIATED ACTIVITY UR 6806N 03355E

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25X1

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25X1

25X1

BONUS 1 TALLINN AMM/SAM LAUNCH COMPLEX UR 5924N 02419E

A NEW AMM/SAM LAUNCH COMPLEX UNDER CONSTRUCTION IS IDENTIFIED 13.3 NM WSW OF TALLINN ON THE FORMER SITE OF VAANA AIRFIELD.

THE SECURED COMPLEX COVERS AN AREA OF APPROXIMATELY 550 ACRES AND CONSISTS OF 5 LAUNCH SITES WITH A TOTAL OF 30 LAUNCH PADS, AN UNIDENTIFIED FACILITY, AND A SMALL SUPPORT AREA CONTAINING 4 BUILDINGS. THE 5 LAUNCH SITES ARE CONNECTED BY A NNE/SSW ROAD APPROXIMATELY 40 FT WIDE. BRANCHING FROM THE MAIN ROAD AT 90 DEGREE ANGLES ARE 3 ADDITIONAL BRANCH ROADS. AT THE TERMINUS OF 2 OF THESE ROADS ARE PREPARED AREAS OR APRONS MEASURING 435 X 160 AND 250 X 55 FT.

THE LAUNCH SITES, IN VARIOUS STAGES OF CONSTRUCTION, CONSIST OF 6 REVETTED LAUNCH PADS IN A CIRCULAR PATTERN WITH A DIAMETER OF APPROXIMATELY 870 FT. THE PADS MEASURE APPROXIMATELY 195 X 80 FEET, ARE UNEVENLY SPACED AROUND THE CIRCLE, 540, 475, 350, 450, 350 AND 475 FT APART, AND ARE SERVED BY LOOP ROADS THAT CONNECT WITH THE ROAD ENCIRCLING THE PROBABLE GUIDANCE REVETMENTS. THE LAUNCH REVETMENTS ARE SIMILAR TO THAT OBSERVED AT LAUNCH COMPLEX A, SITE 3, PAD 5, SARY-SHAGAN ANTIMISSILE TEST CENTER. POSITIONED ON SOME OF THE LAUNCH PADS ARE DARK UNIDENTIFIED OBJECTS, POSSIBLY CONSTRUCTION EQUIPMENT. THE ORIENTATION OF THE LAUNCH PADS RANGES FROM

25X1

AN UNIDENTIFIED FACILITY DIMENSIONALLY SIMILAR TO THAT IDENTIFIED [REDACTED] AT THE LENINGRAD NORTHWEST PROBABLE AMM LAUNCH COMPLEX IS LOCATED APPROXIMATELY 2,890 FT EAST OF THE LAUNCH SITES. IT CONSISTS OF FIVE 195- X 80- FT ROAD-SERVED PADS/HARDSTANDS UNDER CONSTRUCTION, EVENLY SPACED 770 FT APART IN A CIRCULAR PATTERN. LOCATED WITHIN

25X1

25X1

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THE CIRCULAR AREA IS A 150- X 60-FT PAD/HARDSTAND WITH EARTH WALLS PARALLELING THE LONG AXIS. AN ACCESS ROAD EXTENDS ALONG THE NORTH EDGE AND CONTINUES TO ONE OF THE 195- X 80-FT PADS/HARDSTANDS.

THE FACILITY WAS NOT PRESENT

(ATTACHMENT 2)

25X1

25X1

BONUS 2. CHEREPOVETS SUSPECT AMM/SAM LAUNCH CMPLX UR - 5906N 03810E

A SUSPECT AMM/SAM LAUNCH COMPLEX IN VERY EARLY STAGES OF CONSTRUCTION HAS BEEN IDENTIFIED APPROXIMATELY 8.3 NM ESE OF CHEREPOVETS ON THE NORTH BANK OF THE SHEKSNA RIVER.

THE DOUBLE FENCED COMPLEX COVERING AN AREA OF APPROXIMATELY 537 ACRES CONTAINS 5 HEXAGONS, WHICH ARE SUSPECT LAUNCH SITES IN PRELIMINARY STAGES OF CONSTRUCTION. THE PERIMETER OF EACH HEXAGON IS DEFINED BY A NARROW CLEARING. ARRANGED IN A CIRCULAR PATTERN WITHIN ONE OF THE SUSPECT LAUNCH SITES ARE 6 RECTANGULAR CLEARED AREAS, THE LARGEST MEASURING APPROXIMATELY 235 X 110 FT. THE CLEARINGS ARE UNEVENLY SPACED AROUND THE CIRCLE 530, 450, 345, 460, 345, AND 440 FT APART. THE SPACING OF THESE CLEARINGS IS SIMILAR TO THE SPACING OF THE LAUNCH PADS AT THE TALLINN AMM/SAM LAUNCH COMPLEX. PRELIMINARY CONSTRUCTION ACTIVITY IS ALSO OBSERVED WITHIN THE OTHER 4 HEXAGONS. A SMALL SUPPORT AREA WITH AT LEAST 7 BUILDINGS IS LOCATED APPROXIMATELY 1.2 NM WEST OF THE SUSPECT LAUNCH SITES.

THE HEXAGONS WERE NOT PRESENT
BUT THE SUPPORT AREA CLEARING WAS PRESENT.
CLEARING FOR THE SUPPORT AREA WAS NOT PRESENT ON

25X1

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25X1

BONUS 3 PLISSA FIXED FIELD MRBM LAUNCH SITE UR 5512N 02801E

A NEWLY IDENTIFIED FIXED FIELD MRBM LAUNCH SITE IS LOCATED 2.6 NM ESE OF PLISSA AND 22 NM SW OF POLOTSK MRBM LAUNCH SITE 2 AT 55-12-30N 028-01-45E.

THE SITE CONSISTS OF 3 ELONGATED PAD-LIKE CLEARINGS ON A SERIES OF LOOP ROADS WITH AN UNIDENTIFIED OBJECT IN EACH CLEARING. THREE POSSIBLE BUILDINGS OR MISSILE READY TENTS ARE LOCATED TO THE REAR OF THE CLEARINGS.

25X1

BONUS 4 GEROYSKOYE FIXED FIELD MRBM LAUNCH SITE UR 5445N 02125E

A NEWLY IDENTIFIED FIXED FIELD MRBM LAUNCH SITE LOCATED 5 NM EAST OF GEROYSKOYE AND 9 NM EAST OF GVARDEYSK MRBM LAUNCH SITE 1 CONSISTS OF A LARGE TRIANGULAR CLEARING IN A FOREST AND AT LEAST 2 PAD-LIKE CLEARINGS. FOUR READY TENTS OR BUILDINGS ARE POSITIONED IN A ROW NEAR THE PAD-LIKE CLEARINGS. NO ACTIVITY IS DISCERNIBLE IN THE SITE AREA.

25X1

BONUS 5 YEMILCHINO FIXED FIELD MRBM LAUNCH SITE UR 5052N 02753E

A NEWLY IDENTIFIED FIXED FIELD MRBM LAUNCH SITE IS LOCATED 3 NM EAST OF YEMILCHINO AND 16 NM WEST OF KOROSTEN MRBM LAUNCH SITE 1 AT 50-52-30N 027-53-00E.

THIS VERY IRREGULARLY CONFIGURED SITE CONTAINING AT LEAST 4 ELONGATED PADS IS SPREAD OUT OVER A LARGE FOREST TRACT. AN OBJECT IS DISCERNIBLE ON ONE PAD. EACH PAD-LIKE CLEARING IS POSITIONED ON A SMALL LOOP ROAD CONNECTED BY A SINGLE ROAD TO OTHER PAD LOOP ROADS. CLOUDS OBSCURE A PORTION OF THE FIELD SITE. NO TENT AREA IS DISCERNIBLE IN THE CLOUD-FREE PORTIONS.

25X1

2

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25X1

BONUS 6 KOLBERG SAM SITE UR 5411N 01539E

A NEWLY IDENTIFIED POSSIBLE SA-2 SAM SITE IS LOCATED
4 NM EAST OF KOLBERG AT 54-11-45N 015-39-40E.

25X1

BONUS 7 TALLINN SAM SITE UR 5931N 02545E

A NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE IS
LOCATED 31 NM ENE OF TALLINN AT 59-31-30N 025-45-30E.

25X1

BONUS 8 LENINGRAD SAM SITE UR 6021N 03021E

A NEWLY IDENTIFIED COMPLETED SA-2 SAM SITE IS LOCATED
23 NM NORTH OF LENINGRAD AT 60-21-35N 030-21-10E.

25X1

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Air Facilities

25X1

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25X1

AIR FACILITIES

25X1

DOLON AIRFIELD UR 5032N 07912E

AIRCRAFT -- 38 BISON/BEAR AND ONE MEDIUM
STRAIGHT-WING.

25X1

25X1

KALININGRAD/PROVEREN AIRFIELD UR 5446N 02025E

THE 9,800 BY 200 FT E/W CONCRETE RUNWAY IS
SERVICEABLE. PREVIOUSLY REPORTED 2,500 FT
EXTENSION ON THE WEST END OF RUNWAY IS AN OVERRUN.

AIRCRAFT -- 37 BLINDER, 8 BADGER, AND ONE SMALL
STRAIGHT-WING.

25X1

25X1

PRILUKI AIRFIELD UR 5034N 03219E

NO APPARENT CHANGE

AIRCRAFT -- 29 BADGER, ONE BULL, AND ONE SMALL
STRAIGHT-WING.

25X1

25X1

25X1

25X1

KAZAN AIRFRAME PLANT GORBUNOV 22 UR 5552N 04907E

AIRCRAFT -- 4 MEDIUM SWEEP-WING AND 8 POSSIBLE
AIRCRAFT. HAZE AND POOR QUALITY PRECLUDE FURTHER
INTERPRETATION.

NO CHANGE IN FACILITIES NOTED IN CLOUD-FREE AREAS

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[REDACTED]

25X1

[REDACTED] RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT UR 5535N 03807E

AIRCRAFT -- 9 BEAR/BISON, ONE POSSIBLE CLASSIC, ONE
BOUNDER, 34 MEDIUM SWEEP-WING, 4 POSSIBLE BLINDER,
7 MEDIUM STRAIGHT-WING, 3 POSSIBLE MEDIUM STRAIGHT-
WING, 2 LIGHT STRAIGHT-WING, APPROXIMATELY 32 SMALL
UNIDENTIFIED AIRCRAFT, AND 5 POSSIBLE FUSELAGES.

25X1

[REDACTED]

25X1

[REDACTED] IRKUTSK AIRFRAME PLANT UR 5221N 10412E

IDENTIFICATION ONLY.

25X1

[REDACTED]

25X1

[REDACTED] IRKUTSK AIRFIELD NORTHWEST UR 5222N 10411E

AIRCRAFT -- 16 POSSIBLE AIRCRAFT OBSERVED THROUGH
HEAVY HAZE.

25X1

[REDACTED]

25X1

[REDACTED] KUYBYSHEV AIRFRAME PLANT LENIN 18 UR 5313N 05019E

AIRCRAFT -- 3 CLEAT, 6 POSSIBLE BEAR, 2 HEAVY
SWEEP-WING, ONE POSSIBLE HEAVY SWEEP-WING, ONE
MEDIUM SWEEP-WING, AND 6 LIGHT STRAIGHT-WING.

NO NEW CONSTRUCTION NOTED

25X1

[REDACTED]

25X1

25X1

[REDACTED] VLADIMIROVKA FLIGHT TEST CENTER UR 4818N 04611E

HEAVY CLOUD COVER OVER MAINTENANCE AREA AND PARKING
APRONS PRECLUDES AIRCRAFT COUNT OR INTERPRETATION
OF FACILITIES.

25X1

[REDACTED]

25X1

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BONUS 1 VERKHNYAYA SALDA AIRCRAFT MTLGL PLT 95 UR 5803N 06033E

THIS PLANT, PREVIOUSLY CALLED THE VERKHNYAYA SALDA METAL FABRICATION PLANT, APPEARS TO BE PART OF THE ADJACENT VERKHNYAYA SALDA AIRCRAFT METALLURGICAL PLANT NO 95. A NEW BUILDING, VISIBLE ON THE SE SIDE OF THE PLANT 95 AREA, IS APPROXIMATELY 1,500 BY 500 FT AND OF A TYPE USED FOR LIGHT FABRICATION. THIS SUGGESTS THAT THE MANUFACTURE OF LARGE COMPONENTS IS PLANNED FOR THIS PLANT. THE METAL FABRICATION PLANT HAS PREVIOUSLY BEEN ASSOCIATED WITH MISSILE PRODUCTION.

25X1

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25X1

Nuclear Energy

25X2

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**Naval
Activity/
Ports**

25X1

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25X1

NAVAL ACTIVITY/PORTS

25X1

BALAKLAVA SUBMARINE BASE UR 4430N 03336E

NO APPARENT CHANGE IN FACILITIES

25X1

VESSELS -- 4 PROBABLE W/R-CLASS SS, 3 UNIDENTIFIED SS,
AND ONE PROBABLE ATREK-CLASS ASL.NO NUCLEAR OR MISSILE FACILITIES OBSERVED ON CLOUD-
FREE PHOTOGRAPHY.

25X1

25X1

LIEPAJA NAVAL BASE AND SHIPYARD UR 5633N 02102E

VESSELS -- ONE PROBABLE SS, ONE POSSIBLE SS, ONE
CL AND ONE DD.NO NAVAL CONSTRUCTION OR SUBMARINE PENS OBSERVED.
REGULAR SS MOORING AREA ONLY PARTIALLY COVERED.

25X1

25X1

TALLINN NAVAL BASE & SHPYD MORSKOY ZAVOD UR 5927N 02444E

VESSELS -- 3 DD APPROXIMATELY 450 FT LONG, 5 DE,
AND 2 AUXILIARIES. NO ACTIVITY OBSERVED AT THE
SHIPYARD OR MISSILE STORAGE.

25X1

25X1

RIGA NAVAL BASE UR 5703N 02402E

VESSELS -- ONE PROBABLE W/R-CLASS SS, 4 POSSIBLE
SS, ONE DD, 7 SMALL COMBATANTS, ONE AUXILIARY,
AND NUMEROUS SMALL VESSELS.

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25X1

[REDACTED] KLAIPEDA NAVAL BASE & SHIPYARD UR 5542N 02108E

NO SUBMARINES OR OTHER MAJOR COMBATANT NAVAL
VESSELS PRESENT. NO APPARENT CHANGE IN
FACILITIES [REDACTED]

25X1

25X1

[REDACTED]

25X1

[REDACTED] SEVASTOPOL NVL BASE & SHPYD SEVMORZAVOD UR 4436N 03332E

VESSELS -- 3 CL-CLASS IN SEVASTOPOL BAY, 4 DD AND
ONE TANKER (IN DRYDOCK) AT SEVASTOPOL SHIP REPAIR
YARD PANAIOTOVA BAY, 3 DD AND 5 DE AT QUAY NEAR
SEVASTOPOL NAVAL MINE AND TORPEDO STORAGE AREA,
3 CL, 9 DD, 2 DE, 14 MSF, 5 AUXILIARIES, ONE POSSIBLE
J-CLASS SSG, 3 PROBABLE W/R-CLASS SS, ONE SS,
3 POSSIBLE SMALL SS, 3 UNIDENTIFIED NAVAL VESSELS,
NUMEROUS SMALL CRAFT, AND ONE FLOATING DRYDOCK AT
THE NAVAL BASE AND SHIPYARD AND 2 PROBABLE VESSELS
APPROXIMATELY 200 FT LONG ON THE BUILDING WAYS AT
THE SHIPYARD. ENTIRE HARBOR COVERED BY CLOUD-FREE
PHOTOGRAPHY.

25X1

[REDACTED]

25X1

[REDACTED] LENINGRAD SHIPYARD ZHDANOV 190 UR 5952N 03014E

VESSELS -- 4 DD IN BASIN, ONE MERCHANT VESSEL ON
WAYS, AND 4 MERCHANT VESSELS AT QUAY.

NO APPARENT CHANGE IN FACILITIES [REDACTED]
[REDACTED] EXCELLENT QUALITY PHOTOGRAPHY.

25X1

25X1

[REDACTED]

25X1

[REDACTED]

25X1

[REDACTED] LENINGRAD SHIPYARD ADMIRALTY 194 UR 5955N 03016E

NO SS OR OTHER MAJOR COMBATANT VESSELS OBSERVED.
TWO MERCHANT VESSELS AT QUAY. NO APPARENT CHANGE
IN FACILITIES [REDACTED] ON EXCELLENT
QUALITY PHOTOGRAPHY.

25X1

25X1

[REDACTED]

25X1

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[REDACTED] LENINGRAD SHIPYARD SUDOMEKH 196 UR 5956N 03017E

VESSELS -- 4 SS AT FITTING-OUT QUAY AND MERCHANT
VESSEL AT QUAY.

NO APPARENT CHANGE IN FACILITIES [REDACTED]
[REDACTED] ON EXCELLENT QUALITY PHOTOGRAPHY.

25X1

25X1

25X1

25X1

[REDACTED] LENINGRAD SHIPYARD BALTIYSK/ORDZH 189 UR 5955N 03016E

VESSELS -- ONE SS ALONGSIDE BANK UPSTREAM FROM
SHIPYARD, ONE TANKER AND 2 SMALL VESSELS ON BUILDING
WAYS, AND 2 TANKERS AT QUAY.

NO SIGNIFICANT CHANGE IN FACILITIES SINCE
[REDACTED] EXCEPT FOR ADDITION OF ONE SHOP
BUILDING OR SHED. EXCELLENT QUALITY PHOTOGRAPHY.

25X1

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**Electronics/
Communications**

25X1

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25X1

ELECTRONICS/COMMUNICATIONS

25X1

[REDACTED] LAPICHI HF RDO RELAY & MF BROADCAST STA UR 5325N 02831E

IDENTIFICATION ONLY.

25X1

25X1

[REDACTED] SIMFEROPOL TRACKING & COMM CENTER UR 4503N 03353E

A NEW BUILDING APPARENTLY WIDER THAN THE 2 OLDER BUILDINGS IS UNDER CONSTRUCTION IN THE TRACKING FACILITY. NO EVIDENCE OBSERVED OF A FOURTH STRUCTURE. A LARGE BUILDING UNDER CONSTRUCTION ON [REDACTED] IN THE SUPPORT AREA APPEARS COMPLETE. FOUR POSSIBLE ADDITIONAL HELICE ARRAYS ARE BEING ERECTED IMMEDIATELY EAST OF THE PRESENT FENCE AROUND THE PROBABLE TELEMETRY COLLECTION AREA. NO FURTHER PROGRESS HAS BEEN MADE ON THE INTERFEROMETERS [REDACTED] DISH

25X1

IS TILTED IN AN OPERATING MODE. NO OTHER ACTIVITY OR CHANGES APPARENT.

25X1

25X1

25X1

[REDACTED] MOSCOW, SUSPECT AMM PHASED ARRAY RADAR UR 5529N 03641E

THE SUSPECT RADAR IS OBSERVED ON NON-STEREO COVERAGE. SUPPORT AREA A AND OPERATIONAL AREA B ARE COVERED IN STEREO AND SUPPORT AREA B IS COVERED BY SCATTERED CLOUDS.

AT THE SUSPECT RADAR THE LIGHT COLORED TOPPING BEING APPLIED ON THE PLATFORM ROOF ON EARLIER COVERAGE NOW APPEARS COMPLETE. APPLICATION OF BLACK TOPPING CONTINUES ON THE ROOF OF THE POSSIBLE CONTROL BUILDING. THE NNW FACE OF THE SUSPECT RADAR IS NOT OBSERVED. NO CHANGES AT SSE FACE.

AT OPERATIONAL AREA B APPLICATION OF BLACKTOPPING CONTINUES ON THE ROOF OF THE SUSPECT CONTROL BUILDING. NO CHANGES OBSERVED IN SUPPORT AREA A. CONSTRUCTION CONTINUES ON THE TRANSFORMER SUBSTATION.

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25X1

MING-SHUI POSS MISSILE TRACKING STATION CH 4155N 09620E

NO MISSILE TRACKING ACTIVITY OBSERVED IN
CLOUD-FREE AREAS.

25X1

BONUS 1 RAKVERE MRBM COMPLEX COMM FACILITY UR 5911N 02624E

A NEWLY IDENTIFIED COMMUNICATIONS FACILITY IS
LOCATED MIDWAY BETWEEN LAUNCH AREAS ONE AND 2
IN THE RAKVERE MRBM COMPLEX. IT CONTAINS
APPROXIMATELY 4 DIPOLES AND A CONTROL BUILDING.

25X1

BONUS 2 TYUMEN COMMUNICATIONS TRANSMITTING SITE UR 5705N 06545E

THE SITE, LOCATED 8.2 NM SE OF TYUMEN, CONSISTS OF
2 DOUBLE DAY AND 2 DOUBLE NIGHT RHOMBICS, ALL
ORIENTED DUE WEST (PROBABLE CORRESPONDENT MOSCOW),
4 DIPOLE ANTENNAS ORIENTED SE/NW, AND A CONTROL
BUILDING.

25X1

BONUS 3 RISTI COMMUNICATIONS SITE UR 5904N 02403E

THE COMMUNICATIONS SITE, LOCATED IMMEDIATELY WEST OF
RISTI MRBM LAUNCH SITE 1, CONSISTS OF 7 DIPOLE
ANTENNAS, ONE POSSIBLE VEE ANTENNA, AND A CONTROL
BUILDING. THE SITE WAS IN THE INITIAL CONSTRUCTION
STAGE ON

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25X1

**Other
Activity**

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INDEX OF COMOR TARGETS

THIS SECTION CONTAINS A COMPOSITE LIST, BY TARGET NUMBER, OF ALL COMOR TARGETS REVIEWED DURING THE SCAN OF MISSION 1008-2. THE ROMAN NUMERAL UNDER THE OAK COLUMN INDICATES THE PART OF OAK 1008-2 IN WHICH THE TARGET WAS REPORTED.

25X1

VERKHNYAYA SALDA ICBM COMPLEX	UR	5802N 06023E	I
TYURATAM MISSILE TEST CENTER	UR	4550N 06318E	I
SHADRINSK ICBM COMPLEX	UR	5608N 06340E	II
OMSK ICBM COMPLEX	UR	5503N 07330E	I
PERM ICBM COMPLEX	UR	5742N 05619E	I
TYUMEN ICBM COMPLEX	UR	5652N 06553E	II
YEDROVO ICBM COMPLEX	UR	5751N 03341E	II
GLADKAYA ICBM COMPLEX	UR	5605N 09213E	I
NOVOSIBIRSK ICBM COMPLEX	UR	5516N 08257E	I
KOZELSK ICBM COMPLEX	UR	5357N 03548E	II
MAZANKA MRBM LAUNCH SITE	UR	4454N 03420E	II
GVARDEYSK MRBM LAUNCH SITE 2	UR	5445N 02109E	II
SLAVSK MRBM LAUNCH SITE 2	UR	5500N 02129E	II
ZNAMENSK MRBM LAUNCH SITE 1	UR	5433N 02111E	II
GUSEV MRBM LAUNCH SITE 1	UR	5441N 02205E	II
VORU MRBM LAUNCH SITE 2	UR	5749N 02650E	II
GRESK MRBM LAUNCH SITE 1	UR	5314N 02742E	II
NEMAN MRBM LAUNCH SITE	UR	5501N 02211E	II
ZHITOMIR MRBM LAUNCH SITE 1	UR	5004N 02816E	II
PETRIKOV MRBM LAUNCH SITE	UR	5210N 02834E	I
PETROVSKIY IRBM LAUNCH SITE	UR	5000N 05658E	I
BERDICHEV MRBM LAUNCH SITE	UR	5005N 02822E	II
URECHYE MRBM LAUNCH SITE	UR	5311N 02758E	II
SKRUNDA IRBM LAUNCH SITE	UR	5635N 02149E	II
KARAKHOBDA IRBM LAUNCH SITE	UR	4957N 05651E	I
SMORGON IRBM LAUNCH SITE 2	UR	5426N 02618E	II
RUDNYA ZLOTINSKAYA MRBM LAUNCH SITE	UR	5104N 02807E	II
LIELELEJA MRBM LAUNCH SITE	UR	5624N 02336E	II
IECAVA MRBM LAUNCH SITE	UR	5633N 02420E	II
TSIRGULIINA MRBM LAUNCH SITE	UR	5749N 02612E	I
VAINODE IRBM LAUNCH SITE	UR	5628N 02150E	II
LEJASCIEMS MRBM LAUNCH SITE 2	UR	5713N 02633E	I
ANASTASYEVKA FIXED FLD MRBM LAUNCH SITE	UR	4832N 13531E	I
KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR	4835N 04545E	I
SARY-SHAGAN ANTIMISSILE TEST CENTER	UR	4602N 07334E	II
SHUANG-CHENG-TZU MISSILE TEST CENTER	CH	4107N 10020E	II
WU-WEI SUSPECT GM ACTIVITY	CH	3758N 10253E	II

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SHUANG-CHENG-TZU 650 NM IMPACT AREA	CH	4041N	08600E	II
ZAGORSK ROCKET TEST FACILITY	UR	5627N	03812E	I
KRASNOYARSK EXPLOSIVES PLANT ZLOBINO	UR	5602N	09303E	I
KRASNOYARSK ROCKET ENGINE TEST FAC	UR	5605N	09327E	I
OMSK RKT ENG TEST FAC GORNAYA BITIYA	UR	5527N	07322E	I

BIYSK, STATIC TEST FACILITY	UR	5229N	08507E	II
USTKA SUSPECT SAM AREA	PO	5430N	01655E	II
KOSZALIN SUSPECT SAM AREA	PO	5410N	01618E	II
MAKINSK SUSPECT SSM AREA	UR	5234N	07026E	I
VORONEZH SUSPECT SSM AREA	UR	5139N	03911E	I
KRASNAYA GORBATKA SUSPECT SSM AREA	UR	5553N	04146E	I
ENGELS SUSPECT SSM AREA	UR	5129N	04607E	I
SEVERNYY SUSPECT SSM AREA	UR	6845N	06430E	I
NOVOSTROYKA SUSPECT SSM AREA	UR	5619N	03803E	II
ROMNY SUSPECT SSM AREA	UR	5044N	03328E	II
ALEYSK SUSPECT SSM AREA	UR	5229N	08247E	II
SEVEROMORSK SUSPECT NAVAL MSL STORAGE	UR	6906N	03328E	II
KOMSOMOLSK-NA-AMURE SHIPYARD AMUR 199	UR	5033N	13702E	I
SAYDA-GUBA SUBMARINE BASE	UR	6915N	03321E	I
OLENYA GUBA SUBMARINE BASE	UR	6913N	03323E	I
POLYARNYY NAVAL BASE	UR	6912N	03328E	II
MOTKA GUBA NAVAL BASE	UR	6940N	03210E	I
VLADIVOSTOK NAVAL BASE AND SHIPYARD 202	UR	4306N	13156E	II
KALININGRAD SUSP NAVAL MISSILE STORAGE	UR	5450N	02028E	II
URA GUBA NAVAL BASE	UR	6920N	03249E	I
KISLAYA GUBA, SUSPECT SS BASE	UR	6632N	03306E	II
PALA GUBA NVL BASE AND SHIP REPAIR YARD	UR	6912N	03326E	II
MOSCOW SUSPECT ABM AREA	UR	5545N	03737E	II
LENINGRAD PROBABLE AMM AREA	UR	5955N	03020E	II
ASTRAKHAN POSSIBLE ABM RADAR	UR	4620N	04801E	II
OLENEGORSK SUSP AMM ASSOCIATED ACTIVITY	UR	6806N	03355E	II

DOLON AIRFIELD	UR	5032N	07912E	II
BARANOVICHI AIRFIELD	UR	5306N	02603E	I
MINSK/MACHULISHCHE AIRFIELD	UR	5347N	02734E	I
CHERVONO-GLINSKOYE AIRFIELD	UR	4557N	02923E	I
BYKHOV AIRFIELD	UR	5331N	03012E	I
KALININGRAD/PROVEREN AIRFIELD	UR	5446N	02025E	II
PRILUKI AIRFIELD	UR	5034N	03219E	II
ORSHA AIRFIELD SOUTHWEST	UR	5426N	03018E	I
ZHITOMIR/SKOMOROKHI AIRFIELD	UR	5010N	02844E	I
GOMEL/PRIBYTKI AIRFIELD	UR	5218N	03110E	I
KALININ AIRFIELD	UR	5649N	03545E	I
SOLTSY AIRFIELD	UR	5808N	03020E	I

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TARTU AIRFIELD	UR	5824N	02646E	I
MAL-YAVR AIRFIELD	UR	6852N	03343E	I
KAZAN AIRFRAME PLANT GORBUNOV 22	UR	5552N	04907E	II
RAMENSKOYE AIRCRAFT EXPERIMENTAL PLANT	UR	5535N	03807E	II
IRKUTSK AIRFRAME PLANT	UR	5221N	10412E	II
IRKUTSK AIRFIELD NORTHWEST	UR	5222N	10411E	II
KUYBYSHEV AIRFRAME PLANT LENIN 18	UR	5313N	05019E	II
VLADIMIROVKA FLIGHT TEST CENTER	UR	4818N	04611E	II

25X2

KRUNSHIADI NAVAL BASE AND SHIPYARD	UR	5959N	02947E	I
BALAKLAVA SUBMARINE BASE	UR	4430N	03336E	II
LIEPAJA NAVAL BASE AND SHIPYARD	UR	5633N	02102E	II
TALLINN NAVAL BASE & SHPYD MORSKOY ZAVODUR	5927N	02444E	II	
RIGA NAVAL BASE	UR	5703N	02402E	II
KLAIPEDA NAVAL BASE & SHIPYARD	UR	5542N	02108E	II
NIKOLAYEV SHPYD NORTHERN 61 KOMMUNA 445	UR	4659N	03201E	I
NIKOLAYEV SHIPYARD NOSENKO 444	UR	4657N	03159E	I
SEVASTOPOL NVL BASE & SHPYD SEVMORZAVOD	UR	4436N	03332E	II
LENINGRAD SHIPYARD ZHDANOV 190	UR	5952N	03014E	II
LENINGRAD SHIPYARD SUDOMEKH 196	UR	5956N	03017E	II
LENINGRAD SHIPYARD BALTIYSK/ORDZH 189	UR	5955N	03016E	II
LENINGRAD SHIPYARD ADMIRALTY 194	UR	5955N	03016E	II

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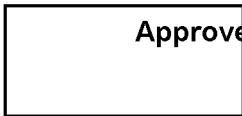
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LIAO-YANG SUB ARSENAL SHEN-YANG 90TH CH 4117N 12315E I

LAPICHI HF RDO RELAY & MF BROADCAST STA UR 5325N 02831E II

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SIMFEROPOL TRACKING & COMM CENTER UR 4503N 03353E II
MOSCOW, SUSPECT AMM PHASED ARRAY RADAR UR 5529N 03641E II
MING-SHUI POSS MISSILE TRACKING STATION CH 4155N 09620E II

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Attachments

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ATTACHMENT 1



DUAL HEN HOUSE-TYPE ANTENNAS U/C, INSTRUMENTATION SITE 13, SSATC, USSR

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ATTACHMENT 2



AMM/SAM LAUNCH COMPLEX, TALLINN, USSR

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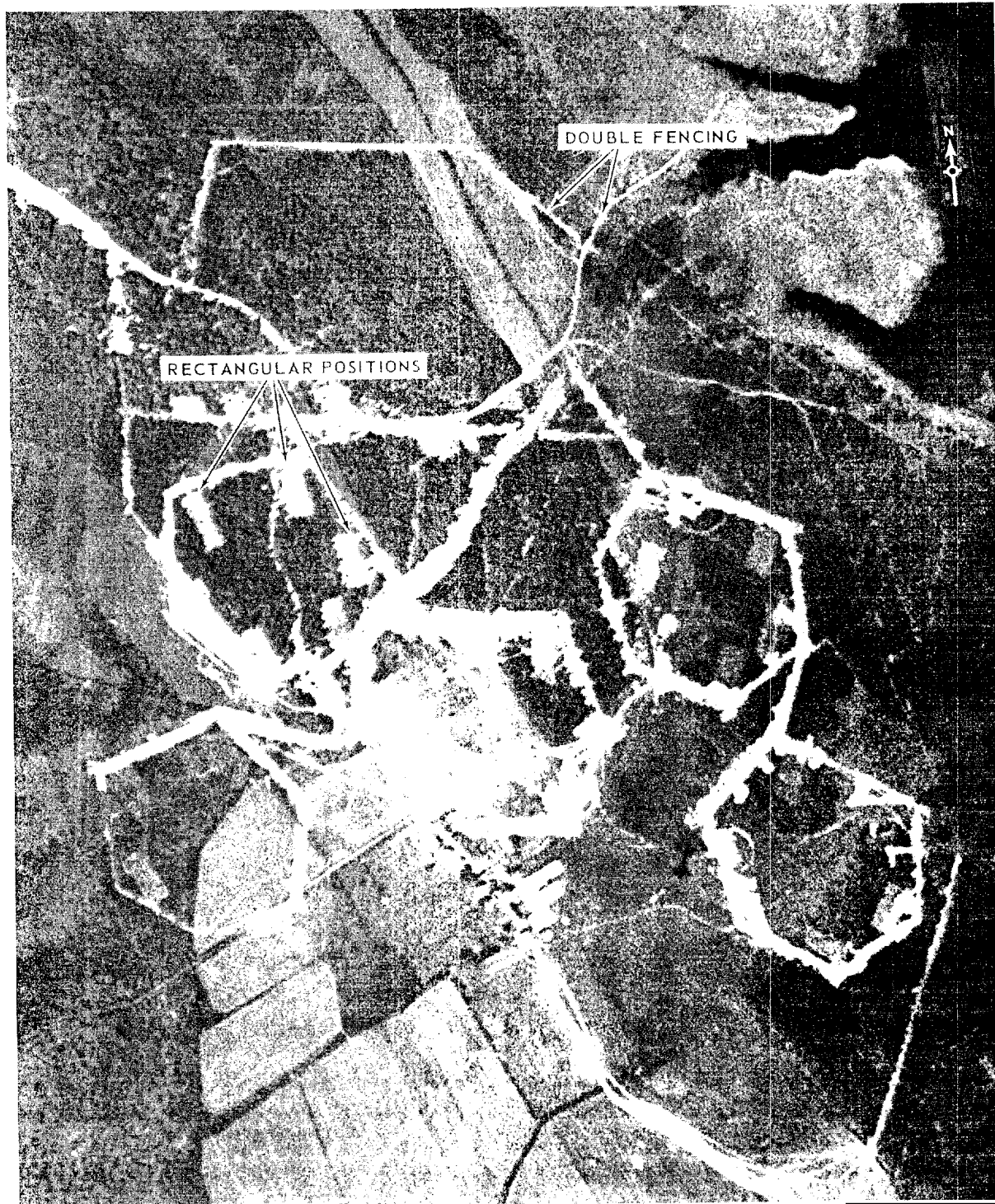
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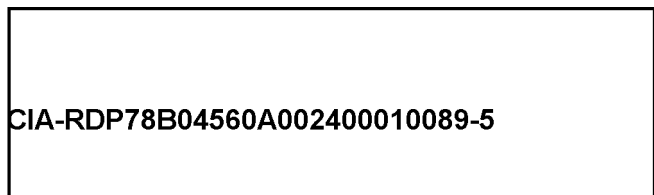
ATTACHMENT 3



SUSPECT AMM/SAM LAUNCH COMPLEX, CHEREPOVETS, USSR



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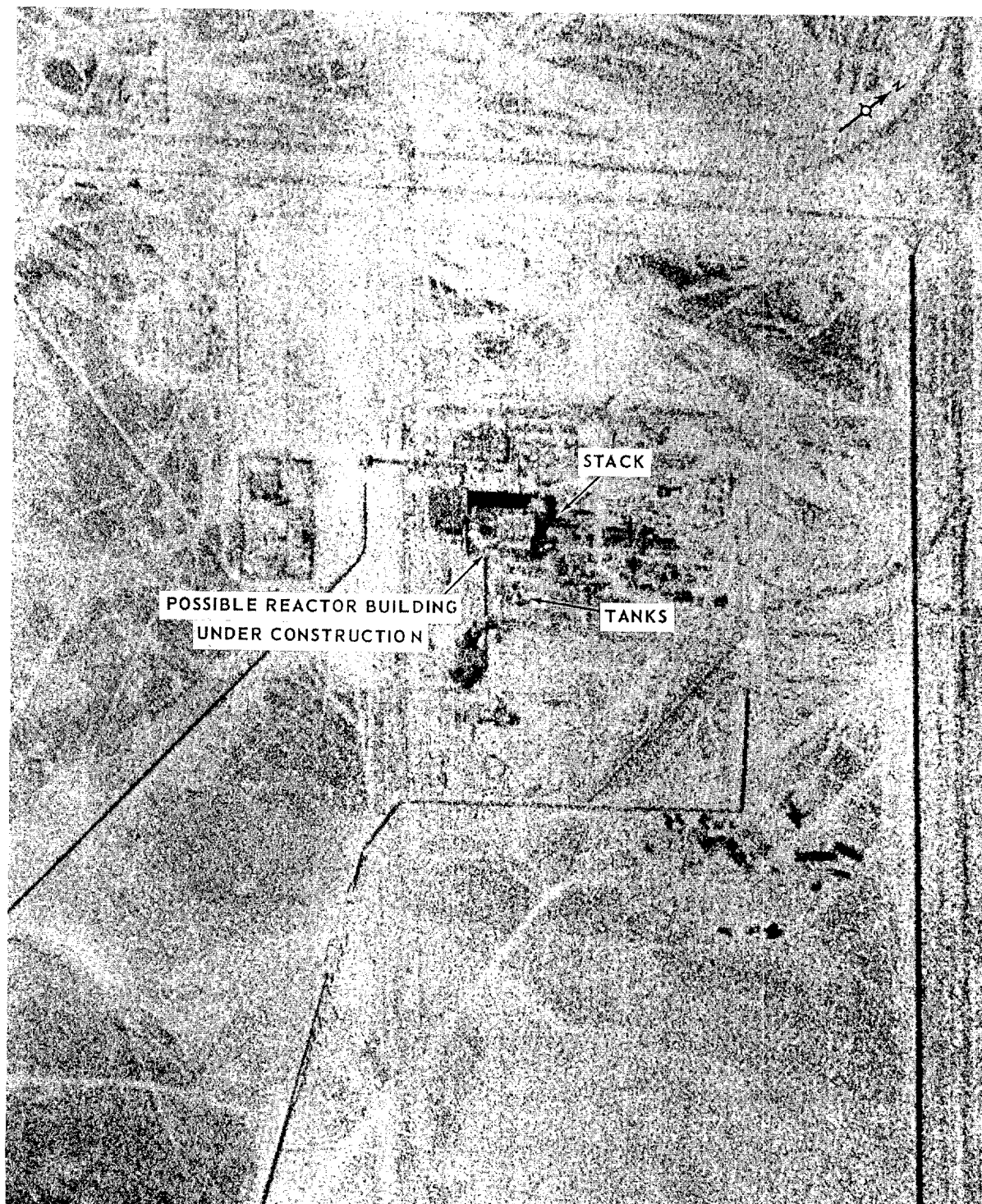
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ATTACHMENT 9

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PROBABLE DESALINIZATION PLANT, MYS MELOVOY, USSR

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